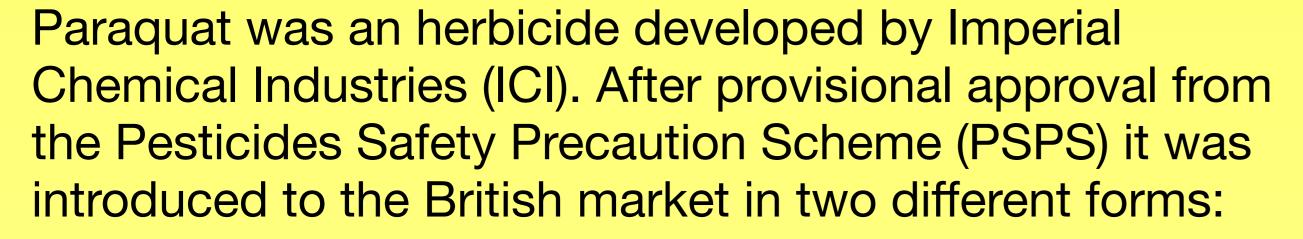
"Harmless when used as directed" Regulating Paraquat in Britain,

1961-1977

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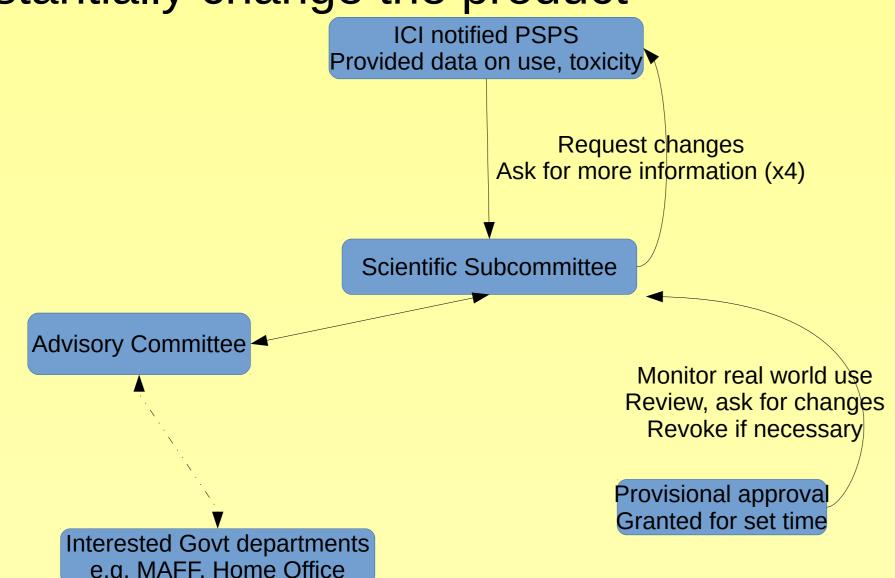


- Gramoxone (1962) a strong, liquid concentrate only for professional use
- Weedol (1965) a less concentrated granulated version for home gardeners

What was the PSPS?

Initiated to improve safety of new agrochemicals following a report into a series of pesticide related deaths in farm workers.

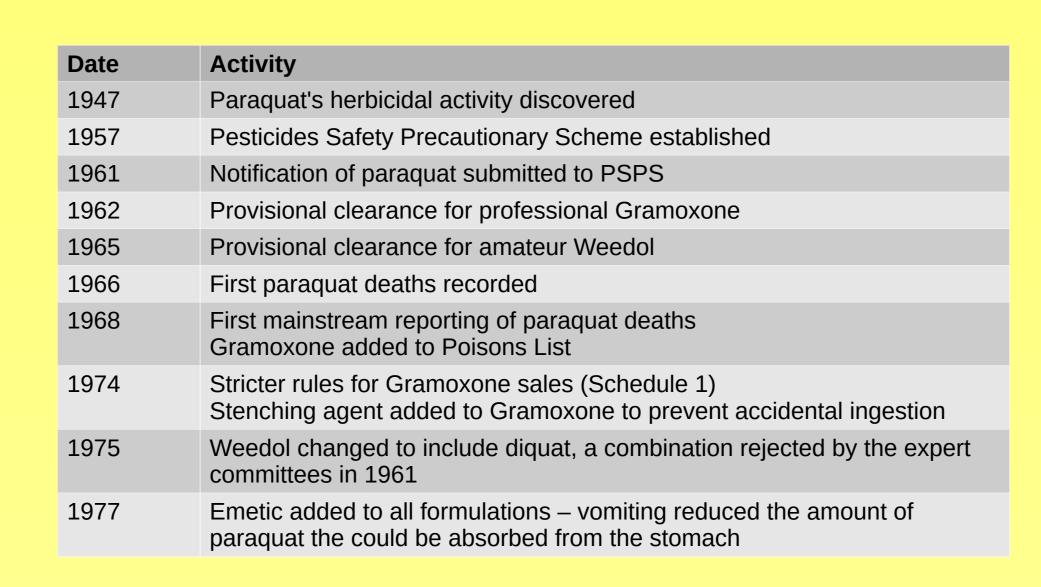
- Flexible, fairly rapid process.
- Plenty of guidance meant that companies which put products forward for scrutiny rarely had them rejected.
- Recommendations through the PSPS could substantially change the product



How were users involved in regulation?

Members of the expert committees stood in for users: they imagined their behaviours and reviewed user experiences. Aware that storing chemicals in drinks bottles was already a problem Gramoxone's label instructed users to never repack or decant it.

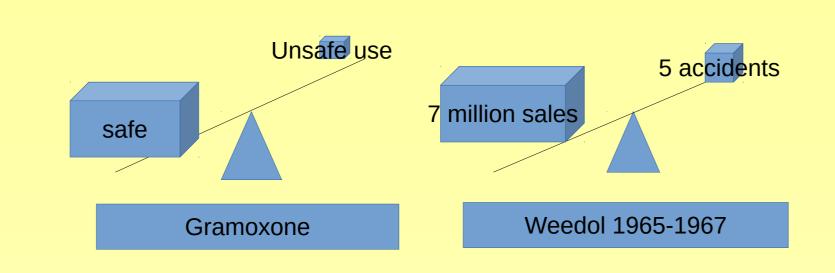
When users were accidentally poisoned paraquat was reviewed. A clear pattern emerged from their circumstances: all had mistakenly ingested Gramoxone from beverage bottles. Labelling and sales procedures were revised.



Representatives of professional users, the National Farmworker's Union, complained that the labelling did not adequately describe how serious the consequences of misuse were.

Families of domestic poisoning victims did not mobilise in this way.

The rising death toll from Gramoxone was highlighted by the media and there were calls for paraquat to be banned. Experts weighed up the situation.



Paraquat was too useful (and too lucrative) to ban. Instead Gramoxone was scheduled as a poison and had to carry a label.

When it was reclassified as a more dangerous poison, buyers needed

- + a householder's certificate
- anyone could get this
- + to sign the Poisons register
- people gave false addresses





Images of poisoning victims were rarely shown, unless they had happy endings.

Roles of the press

Published press releases which announced changes to sales regulation.

Regularly pushed MAFF, Home Office and ICI for comment and improved safety on behalf of victims.

High media profile of accidental poisonings can be credited with educating and motivating people to improve their own domestic safety.

But

Caused confusion by inconsistently naming Weedol and Gramoxone, favouring the generic name paraquat.

Showed how to illicitly acquire Gramoxone. Blamed for suicides, and murderers even claimed news articles inspired them to use paraquat.

Conclusions

Changes to Gramoxone's formula were more important in protecting users than wording on labels or regulating sales. Both vendors and users were very hard to control.

- •The authority of the PSPS reassured users that their immediate physical safety was being attended to. However, recommendations made through the PSPS may have increased risks to domestic users.
- ICI originally proposed Weedol as diquat-paraquat mixture for home users in 1961, but PSPS rejected it.
- Weedol's long development time increased its costs. Some amateur gardeners found Gramoxone's lower cost, large volume and better value more appealing than safety.